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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 3

Application Number	10/526,475
Filing Date	September 4, 2003
First Named Inventor	Gregory Martin Arndt
Group Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	J&J5203USPCT

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.[1]	U.S. Patent Document Number	Kind Code[2] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		US2004/0152172		Geppert		
		US2004/0146858		Li et al		
		US2004/0115815		Li et al		

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.[1]	Foreign Patent Document Office[3]	Number[4]	KindCode[5]	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear	T[6]
		WO	2004/001044		Sinogenomax Company LTD			
		WO	2005/073405	A2	Yissum Research Development Company of the Hebrew University of Jerusalem	08/11/2005		
		WO	03/089650	A2	RIBOZYME PHARMACEUTICALS, INCORPORATED	10/30/2003		
		EP	1229134	A2	Nucleonics, Inc.	08/07/2002		

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Sheet 2 of 3

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T[2]
		Baulcombe, D.C. (1996) RNA as a target and an initiator of post-transcriptional gene silencing in transgenic plants, Plant Mol. Biol 32 (1-2), 79-88	
		Billy, E. et al, 2001 Specific interference with gene expression induced by long, double-stranded RNA in mouse embryonal teratocarcinoma cell lines, Proc. Natl Acad Sci 98, 14428-14483	
		Brummelkamp, T.R., et al, (2002) A System for Stable Expression of Short Interfering RNAs in Mammalian Cells, Science 296, 550-553	
		Caplen, N.J., et al, 2001 Specific inhibition of gene expression by small double-stranded RNAs in invertebrate and vertebrate systems, Proc. Natl. Acad. Sci 98, 9742-9747	
		Cogoni, C. et al, 1999 Gene silencing in Neurospora crassa requires a protein homologous to RNA-dependent RNA polymerase, Nature 399 (6732), 166-9	
		Dunn, S. J., et al., 1999 Isolation of efficient antivirals: genetic suppressor elements against HIV-1, Gene Therapy 6, 130-137	
		Elbashir, S. M., et al, 2001 RNA interference is mediated by 21- and 22-nucleotide RNAs, Genes & Dev 15:188-200	
		Elbashir, S. M., et al., 2001 Duplexes of 21-nucleotide RNAs mediate RNA interferences in cultured mammalian cells, Nature 411(6836), 494-8	
		Giordano et al., 2002 RNAi triggered by symmetrically transcribed transgenes in Drosophila melanogaster, Genetics, Genetics Society of America, Vol. 160, No. 2, 637-648	
		Hammond, S. M. et al., 2000 An RNA-directed nuclease mediates post-transcriptional gene silencing in Drosophila cells, Nature 404:293-296	
		Hsu, J.Y. et al., 2002 E2F-dependent accumulation of hEmi1 regulates S phase entry by inhibiting APC^{Cdh1}, Nature Cell Biol. 4, 358-366	
		Hutvagner et al, 2001) A cellular function for the RNA-interference enzyme dicer in the maturation of the let-7 small temporal RNA. Science 293:834-838	
		Kawasaki, H. et. al., 2002 Identification of genes that function in the TNF-α-mediated apoptotic pathway using randomized hybrid ribozyme libraries, Nature Biotech 20:376-380	
		Kennerdell, J.R. et. al., 1998 Use of dsRNA-Mediated Genetic Interference to Demonstrate that frizzled and frizzled 2 Act in the Wingless Pathway, Cell 95(7), 1017-26	
		Lagos-Quintana, M., et al., (2001) Identification of Novel Genes Coding for Small Expressed RNAs, Science 294, 853-858	
		Lau, N.C., et al., (2001) An Abundant Class of Tiny RNAs with Probable Regulatory Roles in Caenorhabditis elegans, Science 294, 858-862	
		Lee, N.S. et al., (2002) Expression of small interfering RNAs targeted against HIV-1 rev transcripts	
		Lee, R.C., et al., (2001) An Extensive Class of Small RNAs in Caenorhabditis elegans, Science 294, 862-864	

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		Miyagishi M. et al., (2002) U6 Promoter Driven Sirnas with Four Uridine 3' Overhangs Efficiently Suppress Targeted Gene Expression in Mammalian Cells, Nature Biotechnology, Nature Publishing, Vol. 19, No. 5, 497-500	
		Ngo, H. et al., (1998) Double-stranded RNA induces mRNA degradation in Trypanosoma brucei, Proc Natl Acad Sci USA 95(25), 14687-92	
		Paddison, P. et al., (2002) Stable suppression of gene expression by RNAi in mammalian cells, Proc. Natl Acad Sci 99, 1443-1448	
		Paul, C.P., et al., (2002) Effective expression of small interfering RNA in human cells, Nature Biotech 20, 505-508	
		Raponi, M. et al., Characterization of flanking sequences using long inverse PCR. (2000) Biotechniques 28, 840-844.	
		Shi et al, (2000) Genetic Interference in Trypanosoma Brucei by Heritable and Inducible Double-Stranded RNA, RNA, Cold Spring Harbor Laboratory Press, Woodbury, NY, Vol. 6, No. 7, 1069-1076	
		Sui, G., et al., (2002) A DNA vector-based RNAi technology to suppress gene expression in mammalian cells, Proc Natl Acad Sci 99, 5515-20	
		Svoboda, P. et al, (2000) Selective reduction of dormant maternal mRNAs in mouse oocytes by RNA interference, Development 127(19), 4147-4156	
		Tavernarakis, N. et al., (2000) Double-Stranded RNA Induces Specific Developmental Defects in Zebrafish Embryos, Nat Genet 24(2), 180-3	
		Wargelius, A., et al, (1999) Double-Stranded RNA Induces Specific Developmental Defects in Zebrafish Embryos, Biochem Biophys Res Commun 263(1), 156-61	
		Wianny, F., et al., (2000) Specific interference with gene function by double-stranded RNA in early mouse development, Nat Cell Biol 2(2), 70-5	
		Xu, X., et. al., 2001 Nature Genetics 27:23-29	
		Yang, S. et al., (2001) Specific Double-Stranded RNA Interference in Undifferentiated Mouse Embryonic Stem Cells, Mol. Cell Biol 21(22), 7807-16	
		Yu, J. et al., (2002) Dominant effector genetics in mammalian cells, Proc Natl Acad Sci 99, 6047-52	

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